

# ENVIRONMENTAL DESIGN (EDES)

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## EDES Courses

### EDES 101. Introduction to Architecture and Environmental Design. 2 units

Term Typically Offered: TBD

Familiarization with the professional fields of architecture, landscape architecture, structural engineering, construction, and city planning.

Introduction to the college's programs as they relate to individual aptitudes. The design process. Visiting speakers. 2 lectures.

### EDES 123. Principles of Environmental Design. 4 units

Term Typically Offered: F, W, SP

2019-20 or later catalog: GE Area E

2017-19 or earlier catalog: GE Area D4

Sustainability Related

Recommended: ARCH 131 for Architecture major.

How design relates and impacts environmental and social justice, equity, identity, community, and well-being. Design thinking, process, and tools in describing and planning the built environment. Divergent and inclusive thinking, engaging multiple publics, and expert knowledge in planning and design. Course may be offered in classroom-based or online format. 2 lectures, 2 discussions. Fulfills GE Area E (GE Area D4 for students on the 2017-19 or earlier catalogs).

### EDES 350. The Global Environment. 4 units

Term Typically Offered: TBD

2020-21 or later: Upper-Div GE Area B

2019-20 or earlier catalog: GE Area B5, B6, or B7

Sustainability Focused

Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; and completion of GE Areas B1 through B4, with a grade of C- or better in one course in GE Area B4 (GE Area B1 for students on the 2019-20 or earlier catalogs).

Interdisciplinary investigation of how human activities impact the Earth's environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/economic/historical/political perspectives. Use of remote sensing maps. Sustainable solutions. Course may be offered in classroom-based, online, or hybrid format. 4 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350. Fulfills GE Area Upper-Division B (GE Areas B5, B6, or B7 for students on the 2019-20 catalog).

### EDES 406. Sustainable Environments. 4 units

Term Typically Offered: F

Sustainability Focused

Prerequisite: Fourth year or graduate standing.

Collaboration of interdisciplinary faculty and guest speakers/panelists. Introduction, illustration and analysis of concepts and principles for sustainability to be used in all aspects of environmental design. Integration and application of knowledge of human and natural systems with environmental, social and economic concerns, from a global-to-local perspective. 4 lectures.

### EDES 408. Implementing Sustainable Principles. 4 units

Term Typically Offered: W, SP

Sustainability Focused

Prerequisite: EDES 406.

A primarily project-based course, intended to aid students who wish to collaborate with the purpose of implementing sustainability principles by developing tools, process or designs, for community-based projects and proposals at various scales of planning, architecture and design of the human environment to address social, environmental and economic issues. 4 lectures.

### EDES 410. Advanced Implementation of Sustainable Principles. 4 units

Term Typically Offered: SP

Sustainability Focused

Prerequisite: EDES 408.

Advanced continuation of community-based projects defined and initiated in EDES 408. Ongoing projects, individual and group, address variable scales of planning, architecture, and environmental design, with required completion at the end of the course. 2 seminars and supervised work.